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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 JUL 02 LMEDLINE coverage updated  
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 4 JUL 02 CHEMCATS accession numbers revised  
NEWS 5 JUL 02 CA/CAPLUS enhanced with utility model patents from China  
NEWS 6 JUL 16 CAPLUS enhanced with French and German abstracts  
NEWS 7 JUL 18 CA/CAPLUS patent coverage enhanced  
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 9 JUL 30 USGENE now available on STN  
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 11 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 12 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents  
NEWS 13 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records  
NEWS 14 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
NEWS 15 AUG 27 USPATOLD now available on STN  
NEWS 16 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
NEWS 17 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
NEWS 18 SEP 13 FORIS renamed to SOFIS  
NEWS 19 SEP 13 INPADOCDB enhanced with monthly SDI frequency  
NEWS 20 SEP 17 CA/CAPLUS enhanced with printed CA page images from 1967-1998  
NEWS 21 SEP 17 CAPLUS coverage extended to include traditional medicine patents  
NEWS 22 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 23 OCT 02 CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt  
NEWS 24 OCT 19 BEILSTEIN updated with new compounds  
  
NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 12:48:12 ON 13 NOV 2007

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 12:48:26 ON 13 NOV 2007

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FILE COVERS 1907 - 13 Nov 2007 VOL 147 ISS 21

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.47

0.68

FILE 'REGISTRY' ENTERED AT 12:48:34 ON 13 NOV 2007

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 12 NOV 2007 HIGHEST RN 953132-99-5

DICTIONARY FILE UPDATES: 12 NOV 2007 HIGHEST RN 953132-99-5

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```

=> s stearyl bromide
      2777 STEARYL
      177388 BROMIDE
      29 BROMIDES
      177388 BROMIDE
          (BROMIDE OR BROMIDES)
L1      5 STEARYL BROMIDE
          (STEARYL(W)BROMIDE)

=> s stearyl bromide/cn
L2      1 STEARYL BROMIDE/CN

=> s methylenedicyclohexyl diisocyanate
      21 METHYLENEDICYCLOHEXYL
      0 DIIOSCYANATE
L3      0 METHYLENEDICYCLOHEXYL DIIOSCYANATE
          (METHYLENEDICYCLOHEXYL(W)DIIOSCYANATE)

=> s dimethylehanolamine
      0 DIMETHYLEHANOLAMINE
L4      0 DIMETHYLEHANOLAMINE

=> s dimethylethanolamine
L5      594 DIMETHYLETHANOLAMINE

=> s dimethylethanolamine/cn
L6      1 DIMETHYLETHANOLAMINE/CN

=> d 2 str cn rn
      1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):L2
ANSWER NUMBERS NOT CORRECTLY SPECIFIED
Enter an answer number,      Example: 10
several answer numbers,      Example: 3,7,10
a range of answer numbers,    Example: 5-10
or a combination of these.    Example: 3,7,9-10,15
ENTER ANSWER NUMBER OR RANGE (1):2
      1 ANSWERS ARE AVAILABLE.  SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.
ENTER ANSWER NUMBER OR RANGE (1):end

=> d L2 str cn rn
L2      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2007 ACS on STN

```

Me-(CH<sub>2</sub>)<sub>17</sub>-Br

**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

```

CN  Octadecane, 1-bromo-  (CA INDEX NAME)
OTHER NAMES:
CN  1-Bromooctadecane
CN  n-Octadecyl bromide
CN  NSC 5542
CN  Octadecyl bromide
CN  Stearyl bromide
RN  112-89-0  REGISTRY

```

```

=> d L6 str cn rn

```

Me<sub>2</sub>N-CH<sub>2</sub>-CH<sub>2</sub>-OH

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN Ethanol, 2-(dimethylamino)- (CA INDEX NAME)

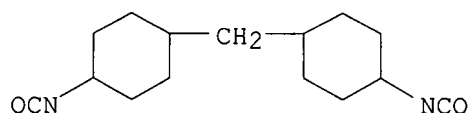
OTHER NAMES:

CN (2-Hydroxyethyl)dimethylamine  
 CN (Dimethylamino)ethanol  
 CN (N,N-Dimethylamino)ethanol  
 CN β-(Dimethylamino)ethanol  
 CN β-Dimethylaminoethyl alcohol  
 CN β-Hydroxyethyl dimethylamine  
 CN 2-(Dimethylamino)ethanol  
 CN 2-(Dimethylamino)ethyl alcohol  
 CN 2-(N,N-Dimethylamino)ethanol  
 CN Amietol M 21  
 CN Aminoalcohol 2mabs  
 CN Bimanol  
 CN Dabco DMEA  
 CN Deanol  
 CN Dimethol  
 CN Dimethyl(2-hydroxyethyl)amine  
 CN Dimethyl(hydroxyethyl)amine  
 CN Dimethylethanolamine  
 CN Dimethylmonoethanolamine  
 CN DMAE  
 CN DMEA  
 CN Jeffcat DMEA  
 CN Kalpur P  
 CN Lupragen N 101  
 CN N,N-Dimethyl(2-hydroxyethyl)amine  
 CN N,N-Dimethyl-β-hydroxyethylamine  
 CN N,N-Dimethyl-2-aminoethanol  
 CN N,N-Dimethyl-N-(β-hydroxyethyl)amine  
 CN N,N-Dimethylethanolamine  
 CN N-(2-Hydroxyethyl)-N,N-dimethylamine  
 CN N-(2-Hydroxyethyl)dimethylamine  
 CN Niax DMEA  
 CN Norcholine  
 CN NSC 2652  
 CN PC CAT DMEA  
 CN Propamine A  
 CN Rexolin  
 CN Texacat DME  
 CN Texacat DMEA  
 CN Thancat DME  
 RN 108-01-0 REGISTRY

=> s 5124-30-1

L7 1 5124-30-1  
 (5124-30-1/RN)

=> d str cn L7



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN Cyclohexane, 1,1'-methylenebis[4-isocyanato- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Isocyanic acid, methylenedi-1,4-cyclohexylene ester (6CI)

CN Isocyanic acid, methylenedi-4,1-cyclohexylene ester (7CI, 8CI)

OTHER NAMES:

CN 1,1-Methylene bis(4-isocyanatocyclohexane)

CN 4,4'-Dicyclohexylmethylene diisocyanate

CN 4,4'-Diisocyanatodicyclohexylmethane

CN 4,4'-Methylenebis(cyclohexyl isocyanate)

CN 4,4'-Methylenedicyclohexyl diisocyanate

CN 4,4'-Methylenedicyclohexylene diisocyanate

CN Bis(4-isocyanatocyclohexyl)methane

CN Dicyclohexylmethane 4,4'-diisocyanate

CN Hydrogenated MDI

CN Methylenebis(1,4-cyclohexylene) diisocyanate

CN Methylenebis(4-cyclohexyl isocyanate)

CN Methylenebis(4-isocyanatocyclohexane)

CN Methylenedi-1,4-cyclohexylene isocyanate

CN Methylenedi-4,1-cyclohexylene isocyanate

CN Methylenedi-4-cyclohexylene diisocyanate

CN Methylenedicyclohexylene-4,4'-diisocyanate

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

51.75

52.43

FILE 'CAPLUS' ENTERED AT 12:57:05 ON 13 NOV 2007

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FILE COVERS 1907 - 13 Nov 2007 VOL 147 ISS 21

FILE LAST UPDATED: 12 Nov 2007 (20071112/ED)

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=> s L7

L8 1371 L7

=> s 5124-30-1  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L10 1371 L9

=> s L6  
L11 6371 L6

=> s L2  
L12 1034 L2

=> s L8 and L10  
L13 1371 L8 AND L10

=> s polyethylene glycol  
373112 POLYETHYLENE  
14082 POLYETHYLENES  
377439 POLYETHYLENE  
(POLYETHYLENE OR POLYETHYLENES)  
381280 GLYCOL  
47207 GLYCOLS  
397447 GLYCOL  
(GLYCOL OR GLYCOLS)  
L14 111632 POLYETHYLENE GLYCOL  
(POLYETHYLENE(W)GLYCOL)

=> s L13 and L14  
L15 110 L13 AND L14

=> s L15 and L12  
L16 0 L15 AND L12

=> dup rem L15  
PROCESSING COMPLETED FOR L15  
L17 110 DUP REM L15 (0 DUPLICATES REMOVED)

=> d L17 and (AY<2002 or PRY<2002 or PY<2002)  
'AND' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

ABS ----- GI and AB  
ALL ----- BIB, AB, IND, RE  
APPS ----- AI, PRAI  
BIB ----- AN, plus Bibliographic Data and PI table (default)  
CAN ----- List of CA abstract numbers without answer numbers  
CBIB ----- AN, plus Compressed Bibliographic Data  
CLASS ----- IPC, NCL, ECLA, FTERM  
DALL ----- ALL, delimited (end of each field identified)  
DMAX ----- MAX, delimited for post-processing  
FAM ----- AN, PI and PRAI in table, plus Patent Family data  
FBIB ----- AN, BIB, plus Patent FAM  
IND ----- Indexing data  
IPC ----- International Patent Classifications  
MAX ----- ALL, plus Patent FAM, RE

PATS ----- PI, SO  
 SAM ----- CC, SX, TI, ST, IT  
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;  
                   SCAN must be entered on the same line as the DISPLAY,  
                   e.g., D SCAN or DISPLAY SCAN)  
 STD ----- BIB, CLASS  
  
 IABS ----- ABS, indented with text labels  
 IALL ----- ALL, indented with text labels  
 IBIB ----- BIB, indented with text labels  
 IMAX ----- MAX, indented with text labels  
 ISTD ----- STD, indented with text labels  
  
 OBIB ----- AN, plus Bibliographic Data (original)  
 OIBIB ----- OBIB, indented with text labels  
  
 SBIB ----- BIB, no citations  
 SIBIB ----- IBIB, no citations  
  
 HIT ----- Fields containing hit terms  
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
                   containing hit terms  
 HITRN ----- HIT RN and its text modification  
 HITSTR ----- HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 HITSEQ ----- HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
                   its structure diagram  
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
                   structure diagram, plus NTE and SEQ fields  
 KWIC ----- Hit term plus 20 words on either side  
 OCC ----- Number of occurrence of hit term and field in which it occurs

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 ENTER DISPLAY FORMAT (BIB):end

```

=> s L17 and (AY<2002 or PRY<2002 or PY<2002)
L18      110 S L17
          4191155 AY<2002
          3668284 PRY<2002
          21918208 PY<2002
L19      79 L18 AND (AY<2002 OR PRY<2002 OR PY<2002)
  
```

```

=> s PEG
          42799 PEG
          1379 PEGS
L20      43368 PEG
          (PEG OR PEGS)
  
```

```

=> s L19 and L20
L21      5 L19 AND L20
  
```

```

=> d 1-5 L21 ibib abs
  
```

L21 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:97363 CAPLUS  
DOCUMENT NUMBER: 134:296447  
TITLE: Preparation and physical properties of the  
polyurethane microgels based on poly(caprolactone)  
diol/poly(ethylene glycol)  
AUTHOR(S): Lim, Jeong Soo; Kim, Kong Soo; Lee, Moo Jae; Lee,  
Young Geun  
CORPORATE SOURCE: Department of Chemical Engineering, Chungbuk National  
University, Cheongju, 361-763, S. Korea  
SOURCE: Polymer (Korea) (2001), 25(1), 41-48  
CODEN: POLLDG; ISSN: 0379-153X  
PUBLISHER: Polymer Society of Korea  
DOCUMENT TYPE: Journal  
LANGUAGE: Korean

AB Polyurethane (PU) microgels were synthesized from poly(caprolactone) diol  
(PCD) and/or polyethylene glycol (PEG),  
diisocyanate and 1,2,6-hexanetriol by solution polymerization method. A  
critical  
gelation concentration of the PU microgels with, mole ratios of PCD/PEG  
were the important factors influencing the formation and property microgel  
or macrogels. The phys. and thermal properties of the PU microgels prepared  
with depending upon the structure of diisocyanate, mole ratio of PCD/  
PEG, and mol. weight of PEG were investigated. PU  
microgels were distributed by polydisperse, spherical small particles  
below 300 nm and showed properties of low viscosity.

L21 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:741971 CAPLUS  
DOCUMENT NUMBER: 133:313688  
TITLE: Lubricious coatings for medical devices  
INVENTOR(S): Hsu, Li-Chien; Hu, Can B.; Tong, Sun-De  
PATENT ASSIGNEE(S): Edwards Lifesciences Corporation, USA  
SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061205	A1	20001019	WO 2000-US9344	20000408 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6340465	B1	20020122	US 1999-290501	19990412 <--
JP 2002541310	T	20021203	JP 2000-610536	20000408 <--
PRIORITY APPLN. INFO.:			US 1999-290501	A 19990412 <--
			WO 2000-US9344	W 20000408 <--

AB Biocompatible surfaces on medical devices, particularly those formed of synthetic materials, are produced by providing coating compds. having crosslinked regions capable of entrapping biocompatible mols. on the surfaces of medical devices in order to form a stable base layer. The crosslinked base layer is lubricious and is able to function as an entrapping or coupling site for addnl. biocompatible agents, which may be stably incorporated into its crosslinked lattice. Thus, the coatings of the present invention have enhanced lubricity and may also have



antimicrobial, protein-repelling, and/or antithrombotic properties. Thus, a solution contained polyethyleneimine 0.3, PVP 0.3, heparin complex 0.3, stannous octoate 0.03, and PrOH 300 g. Polyurethane (PU) tubes were first soaked in a 0.2% Denacol 411/GENESOLV solution for 30 s. After drying, the PU tubes are soaked in the above solution for 30 s and then dried in a 650° oven for 2 h. Then the tubes were sterilized in ETO. The PU tubes had a pull force of 0.79 lb after a 30-day treatment.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:477062 CAPLUS

DOCUMENT NUMBER: 131:258264

TITLE: UV-curable poly(ethylene glycol)-based polyurethane acrylate hydrogel

AUTHOR(S): Kim, Byung Kyu; Paik, Sang Hyun

CORPORATE SOURCE: Department of Polymer Science and Engineering and Research Institute of Industrial Technology, Pusan National University, Pusan, 609-735, S. Korea

SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (1999), 37(15), 2703-2709

CODEN: JPACEC; ISSN: 0887-624X

PUBLISHER: John Wiley & Sons, Inc.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Poly(ethylene glycol) (PEG) with mol. weight (Mn) of 1000, 2000, 3000, and 4000 g/mol, four types of diisocyanate [hexamethylene diisocyanate (HDI), 4,4'-dicyclohexylmethane diisocyanate (H12MDI), isophorone diisocyanate (IPDI), and toluene diisocyanate (TDI)], two types of comonomers [acrylamide (AAM) and acrylic acid (AAc)] that comprised up to 60% of the total solid were used to prepare UV-curable PEG-based polyurethane (PU) acrylate hydrogel. The gels were evaluated in terms of mech. properties, water content as a function of immersion time and pH, and X-ray diffraction profiles of dry and swollen films.

REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:643799 CAPLUS

DOCUMENT NUMBER: 129:247594

TITLE: Influences of adding LiCF3SO3-PC on the conductivity of H12MDI based WPU electrolytes

AUTHOR(S): Luo, Shih-Sheng; Cheng, Tsung-Tien; Wen, Ten-Chin

CORPORATE SOURCE: Department of Chemical Engineering, National Cheng Kung University, Tainan, 70101, Taiwan

SOURCE: Journal of the Chinese Institute of Chemical Engineers (1998), 29(4), 239-248

CODEN: JCICAP; ISSN: 0368-1653

PUBLISHER: Chinese Institute of Chemical Engineers

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Waterborne polyurethane synthesized from 4,4'-methylenebis (cyclohexyl isocyanate) (H12MDI), polyethylene glycol (PEG), and di-Me propionic acid (DMPA) was employed as the matrix of polymer electrolytes. The influences of adding various of LiCF3SO3-PC on the conductivity of WPU-based electrolytes and the voltammetric behavior at lithium/WPU interface are investigated by AC impedance anal. and cyclic voltammetry. The conductivities calculated from the results of AC impedance obey Arrhenius law with the activation energy of 10.33 kcal/mol, 9.82 kcal/mol, and 8.31 kcal/mol at 10%, 30%, and 50% of LiCF3SO3-PC, resp. On the basis of CV results, the lithium stripping/depositing processes were found to be facile at the lithium/WPU electrolyte interface. Comparisons of the conductivity as well as the voltammetric behavior of H12MDI based WPU electrolytes and those of IPDI based WPU electrolytes are made to clarify

the differences between two hard segments.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 1998:631822 CAPLUS  
DOCUMENT NUMBER: 129:317347  
TITLE: Water-swellable polyurethane compositions for films  
with improved light resistance and high moisture  
permeability  
INVENTOR(S): Enomoto, Masaho; Kobayashi, Junji  
PATENT ASSIGNEE(S): Seikoh Chemicals Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10259302	A	19980929	JP 1997-85796	19970318 <--
JP 3299471	B2	20020708		

PRIORITY APPLN. INFO.: JP 1997-85796 19970318 <--

AB The compns. useful for fabrics, etc., contain (a) hydrophilic polyurethanes having active H in terminals and side chains, obtained by reaction of organic diisocyanates with monomers containing  $\geq 2$  active H and polyfunctional monomers containing  $\geq 3$  active H, and (b) crosslinking agents comprising polyisocyanates or aminoplasts. Thus, a mixture containing a polycarbonate diol 200, polyethylene glycol 800, and hexylene glycol 59 parts were reacted with dicyclohexylmethane-4,4'-diisocyanate 524, aminoethylethanolamine 52, and 3-aminomethyl-3,5,5-trimethylcyclohexylamine 85 parts and further reacted with monoethanolamine to give a polyurethane having active H, 100 parts of which was mixed with 3 parts Coronate HL (a reaction product of trimethylolpropane and a diisocyanate) and Me Et ketone to give a title composition. Then, the composition was applied on a release paper, cured, and removed from the paper to give a film.

=> d L19 1-10

L19 ANSWER 1 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2003:481814 CAPLUS  
DN 139:53980  
TI Laminated polyolefin films coated with crosslinked acrylic polymer layers  
IN Sugino, Go; Takeda, Yuji; Tsuruhara, Koji  
PA Mitsubishi Chemical MKV Co., Japan  
SO Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003176373	A	20030624	JP 2002-283380	20020927 <--
JP 3794364	B2	20060705		
PRAI JP 2001-302206	A	20010928		<--

L19 ANSWER 2 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2003:369022 CAPLUS  
DN 138:355016  
TI Leather substitutes with freedom from resin migration due to heat-sensitive coagulation

IN Iwasaki, Yoshiyuki; Kobayashi, Yoshio; Ueno, Yoshiyuki  
 PA Sanyo Chemical Industries, Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 11 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003138131	A	20030514	JP 2002-90367	20020328 <--
	JP 3940013	B2	20070704		
PRAI	JP 2001-251045	A	20010822	<--	

L19 ANSWER 3 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:480423 CAPLUS  
 DN 137:34270  
 TI Silver-attached polyurethane artificial leather for sporting glove  
 IN Endo, Yoshiki; Akamata, Kazuto  
 PA Kuraray Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002180383	A	20020626	JP 2000-376751	20001212 <--
PRAI	JP 2000-376751		20001212	<--	

L19 ANSWER 4 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:428974 CAPLUS  
 DN 137:21505  
 TI Photochromic naphthopyran imbibition compositions containing kinetic enhancing additives, manufacturing process and photochromic articles thereof  
 IN Misura, Michael S.; Kumar, Anil  
 PA PPG Industries Ohio, Inc., USA  
 SO PCT Int. Appl., 65 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044258	A2	20020606	WO 2001-US44925	20011115 <--
	WO 2002044258	A3	20030227		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 6433043	B1	20020813	US 2000-724145	20001128 <--
	CA 2429592	A1	20020606	CA 2001-2429592	20011115 <--
	AU 200227053	A	20020611	AU 2002-27053	20011115 <--
	BR 2001015893	A	20040225	BR 2001-15893	20011115 <--
	JP 2004514774	T	20040520	JP 2002-546619	20011115 <--
	EP 1340108	B1	20060315	EP 2001-996013	20011115 <--
	R: DE, ES, FR, GB, IT				
	ES 2260332	T3	20061101	ES 2001-1996013	20011115 <--
	ZA 2003003947	A	20040521	ZA 2003-3947	20030521 <--

	MX 2003PA04696	A	20030819	MX 2003-PA4696	20030528 <--
	JP 2006052408	A	20060223	JP 2005-241891	20050823 <--
PRAI	US 2000-724145	A	20001128	<--	
	JP 2002-546619	A3	20011115	<--	
	WO 2001-US44925	W	20011115	<--	
OS	MARPAT 137:21505				

L19 ANSWER 5 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:400379 CAPLUS

DN 136:402850

TI Adhesives for dry or solvent-free lamination and laminated packaging materials and bags therefrom

IN Yoshinaga, Masanobu; Suzuta, Keiko

PA Toppan Printing Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002155260	A	20020528	JP 2001-274849	20010911 <--
PRAI	JP 2000-274874	A	20000911	<--	

L19 ANSWER 6 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:368279 CAPLUS

DN 136:374516

TI Composition for bleaching or permanent waving of keratinous fibers comprising a cationic associative polyurethane

IN Legrand, Frederic; De la Mettrie, Roland

PA L'oreal, Fr.

SO PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038118	A1	20020516	WO 2001-FR3430	20011106 <--
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2816210	A1	20020510	FR 2000-14321	20001108 <--
	FR 2816210	B1	20050225		
	AU 200223760	A	20020521	AU 2002-23760	20011106 <--
	EP 1335698	A1	20030820	EP 2001-993451	20011106 <--
	EP 1335698	B1	20070117		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001015653	A	20030902	BR 2001-15653	20011106 <--
	JP 2004513141	T	20040430	JP 2002-540708	20011106 <--
	ES 2279840	T3	20070901	ES 2001-1993451	20011106 <--
	MX 2003PA03947	A	20030819	MX 2003-PA3947	20030502 <--
	US 2004034946	A1	20040226	US 2003-415937	20030507 <--
	US 7077869	B2	20060718		
PRAI	FR 2000-14321	A	20001108	<--	
	WO 2001-FR3430	W	20011106	<--	
OS	MARPAT 136:374516				

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2002:368277 CAPLUS  
DN 136:374515  
TI Bleaching composition for keratinous fibers comprising an associative  
polyurethane  
IN Legrand, Frederic; De la Mettrie, Roland  
PA L'oreal, Fr.  
SO PCT Int. Appl., 48 pp.  
CODEN: PIXXD2  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038117	A1	20020516	WO 2001-FR3429	20011106 <--
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2816209	A1	20020510	FR 2000-14320	20001108 <--
	FR 2816209	B1	20050225		
	AU 200223759	A	20020521	AU 2002-23759	20011106 <--
	EP 1335697	A1	20030820	EP 2001-993450	20011106 <--
	EP 1335697	B1	20070117		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2001015462	A	20030826	BR 2001-15462	20011106 <--
	JP 2004513140	T	20040430	JP 2002-540707	20011106 <--
	ES 2280426	T3	20070916	ES 2001-1993450	20011106 <--
	MX 2003PA03984	A	20030819	MX 2003-PA3984	20030506 <--
	US 2004034947	A1	20040226	US 2003-415953	20030507 <--
	US 7066965	B2	20060627		
PRAI	FR 2000-14320	A	20001108	<--	
	WO 2001-FR3429	W	20011106	<--	

OS MARPAT 136:374515

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2002:368275 CAPLUS  
DN 136:374514  
TI Oxidation dyeing composition for keratinous fibers comprising a cationic  
associative polyurethane  
IN Cottard, Francois; De la Mettrie, Roland  
PA L'oreal, Fr.  
SO PCT Int. Appl., 54 pp.  
CODEN: PIXXD2  
DT Patent  
LA French  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038116	A1	20020516	WO 2001-FR3428	20011106 <--
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
 UG, US, UZ, VN, YU, ZA, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2816207 A1 20020510 FR 2000-14319 20001108 <--  
 FR 2816207 B1 20030103  
 CA 2427466 A1 20020516 CA 2001-2427466 20011106 <--  
 AU 200223758 A 20020521 AU 2002-23758 20011106 <--  
 BR 2001015461 A 20030819 BR 2001-15461 20011106 <--  
 EP 1335695 A1 20030820 EP 2001-993449 20011106 <--  
 EP 1335695 B1 20040602

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004513139 T 20040430 JP 2002-540706 20011106 <--  
 AT 268154 T 20040615 AT 2001-993449 20011106 <--  
 RU 2238714 C1 20041027 RU 2003-117010 20011106 <--  
 PT 1335695 T 20041029 PT 2001-993449 20011106 <--  
 ES 2222404 T3 20050201 ES 2001-1993449 20011106 <--  
 MX 2003PA03948 A 20030819 MX 2003-PA3948 20030502 <--  
 US 2004025266 A1 20040212 US 2003-415952 20030507 <--  
 US 7101405 B2 20060905

PRAI FR 2000-14319 A 20001108 <--  
 WO 2001-FR3428 W 20011106 <--

OS MARPAT 136:374514

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:368274 CAPLUS

DN 136:374513

TI Direct dyeing composition for keratinous fibers comprising a cationic  
 associative polyurethane

IN Cottard, Francois; De la Mettrie, Roland

PA L'oreal, Fr.

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038115	A1	20020516	WO 2001-FR3427	20011106 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
 UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2816208 A1 20020510 FR 2000-14322 20001108 <--  
 FR 2816208 B1 20030103  
 AU 200223757 A 20020521 AU 2002-23757 20011106 <--  
 EP 1335694 A1 20030820 EP 2001-993448 20011106 <--  
 EP 1335694 B1 20060920

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004513138 T 20040430 JP 2002-540705 20011106 <--  
 AT 339992 T 20061015 AT 2001-993448 20011106 <--  
 ES 2271107 T3 20070416 ES 2001-1993448 20011106 <--  
 BR 2003000082 A 20041013 BR 2003-82 20030106 <--

US 2004019981 A1 20040205 US 2003-415954 20030507 <--  
 US 7108726 B2 20060919  
 PRAI FR 2000-14322 A 20001108 <--  
 WO 2001-FR3427 W 20011106 <--  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2002:169828 CAPLUS  
 DN 136:233620  
 TI Thickeners and viscosity adjusters for aqueous coatings or adhesives  
 IN Gota, Tetsuya; Hagiwara, Yuji; Beppu, Koji; Nishihara, Ken; Komiya, Kaoru  
 PA Asahi Denka Kogyo K. K., Japan  
 SO Jpn. Kokai Tokkyo Koho, 14 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002069430	A	20020308	JP 2000-257193	20000828 <--
PRAI JP 2000-257193		20000828	<--	

=> d 11-20 ibib abs

5 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE  
 The answer numbers requested are not in the answer set.

ENTER ANSWER NUMBER OR RANGE (1):L19

ANSWER NUMBERS NOT CORRECTLY SPECIFIED

Enter an answer number, Example: 10  
 several answer numbers, Example: 3,7,10  
 a range of answer numbers, Example: 5-10  
 or a combination of these. Example: 3,7,9-10,15  
 ENTER ANSWER NUMBER OR RANGE (1):end

=> d L19 11-20 ibib abs

L19 ANSWER 11 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2002:84282 CAPLUS  
 DOCUMENT NUMBER: 136:136196  
 TITLE: Moisture-permeable water-resistant coating composition  
 for fabric  
 INVENTOR(S): Takeda, Keiji; Amano, Jiro  
 PATENT ASSIGNEE(S): Toray Industries, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002030576	A	20020131	JP 2000-217300	20000718 <--
PRIORITY APPLN. INFO.:			JP 2000-217300	20000718 <--

AB Title composition for coating  $\geq 1$  side of a fabric sheet is characterized  
 in that (A) the difference of moisture absorption of the coating layer  
 only at 30° and 90% RH and 20° and 65% RH is 6-15; (B) the  
 difference of the coated fabric at 30° and 90% RH and 20°  
 and 65% RH 1-6; and (C) the moisture absorption of the coating layer is  
 larger than that of the coated fabric. Thus, a nylon taffeta was coated  
 with a composition comprising 4,4'-MDI-polyethylene glycol  
 copolymer and crosslinking agent hexamethylene diisocyanate, showing  
 linear expansion coefficient 18%, moisture permeability 21000 g/m<sup>2</sup>·24 h,

and water resistance 0.3 MPa.

L19 ANSWER 12 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:904308 CAPLUS  
DOCUMENT NUMBER: 136:39169  
TITLE: Urethane based on organoleptically active aromatic alcohols  
INVENTOR(S): Zander, Lars; Gassenmeier, Thomas Otto; Gerke, Thomas; Sauf, Silvia  
PATENT ASSIGNEE(S): Henkel Kommanditgesellschaft auf Aktien, Germany  
SOURCE: PCT Int. Appl., 26 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001094438	A1	20011213	WO 2001-EP6129	20010530 <--
W: AU, BG, BR, BY, CA, CN, CZ, DZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RO, RU, SG, SI, SK, UA, US, UZ, VN, YU, ZA				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
DE 10028764	A1	20011220	DE 2000-10028764	20000609 <--
AU 2001077497	A5	20011217	AU 2001-77497	20010530 <--
EP 1287053	A1	20030305	EP 2001-955295	20010530 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR				
PRIORITY APPLN. INFO.:			DE 2000-10028764	A 20000609 <--
			WO 2001-EP6129	W 20010530 <--
OTHER SOURCE(S): MARPAT 136:39169				
AB The invention relates to urethane compds. which release organoleptically active aromatic alcs. (such as geraniol and citronellol) , a method for producing said urethane compds., and the use thereof as deodorants in cosmetics, adhesives, lacquers, plastics, and detergents.				
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L19 ANSWER 13 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:842328 CAPLUS  
DOCUMENT NUMBER: 135:358708  
TITLE: Manufacture of plasticizing agent for polyurethane resins  
INVENTOR(S): Kanetani, Koji; Suzuki, Koichi; Yokota, Hirohide  
PATENT ASSIGNEE(S): Nippon Polyurethane Industry Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001323043	A	20011120	JP 2000-146991	20000518 <--
PRIORITY APPLN. INFO.:			JP 2000-146991	20000518 <--
AB A plasticizer with good compatibility is manufactured by the reaction of a polyalkylene glycol monoalkyl ether with a diisocyanate in a NCO to OH ratio of 1.0-1.5.				

L19 ANSWER 14 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:452827 CAPLUS  
DOCUMENT NUMBER: 135:50859



TITLE: Composition associating two polyurethane polyethers  
for bleaching or permanent deformation of keratinous  
fibers  
INVENTOR(S): Legrand, Frederic  
PATENT ASSIGNEE(S): L'oreal, Fr.  
SOURCE: PCT Int. Appl., 46 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001043708	A1	20010621	WO 2000-FR3140	20001110 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2802095	A1	20010615	FR 1999-15681	19991213 <--
FR 2802095	B1	20020118		
AU 2001017107	A5	20010625	AU 2001-17107	20001110 <--
EP 1239819	A1	20020918	EP 2000-979707	20001110 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRIORITY APPLN. INFO.:			FR 1999-15681	A 19991213 <--
			WO 2000-FR3140	W 20001110 <--

OTHER SOURCE(S): MARPAT 135:50859

AB The invention concerns a composition for bleaching or permanent deformation of keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and addnl. at least two specific polyurethane polyethers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compns. Thus, a hair bleach composition comprises (in g) citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethylcellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Aculyn-44 0.1, Aculyn-46 0.2, magnesium sulfate 1, and water q.s. to 100 g.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 15 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:450870 CAPLUS

DOCUMENT NUMBER: 135:50857

TITLE: Composition containing a mixture of two polyurethane polyethers for decoloring keratinic fibers

INVENTOR(S): Legrand, Frederic

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1108418	A1	20010620	EP 2000-403211	20001117 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

	IE, SI, LT, LV, FI, RO			
FR 2802094	A1	20010615	FR 1999-15678	19991213 <--
FR 2802094	B1	20020118		
AU 2000071848	A5	20010614	AU 2000-71848	20001127 <--
AU 760359	B2	20030515		
RU 2191568	C2	20021027	RU 2000-130872	20001208 <--
CA 2328561	A1	20010613	CA 2000-2328561	20001211 <--
CN 1302601	A	20010711	CN 2000-137313	20001212 <--
BR 2000006480	A	20010717	BR 2000-6480	20001212 <--
JP 2001199853	A	20010724	JP 2000-378101	20001212 <--
US 2001021376	A1	20010913	US 2000-734732	20001213 <--
US 6444197	B2	20020903		
PRIORITY APPLN. INFO.:			FR 1999-15678	A 19991213 <--
OTHER SOURCE(S):	MARPAT 135:50857			
AB A composition for removing hair color is disclosed which comprises, in a milieu appropriate for decoloring, at least one oxidizing agent and at least one combination of two polyurethane polyethers. Said polyurethane polyether may be obtained by polycondensation of a polyethyleneglycol, stearyl alc., and methylene bis(4-cyclohexylisocyanate). Thus, a bleach comprises cetareth 30 2.2 g, Aculyn 44 0.1 g, Aculyn 46 0.2 g, stabilizers q.s., hydrogen peroxide up to 30 vols. 18 g, phosphoric acid q.s. to pH 2.5, distilled water q.s. to 100 g total.				
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L19 ANSWER 16 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:97363 CAPLUS

DOCUMENT NUMBER: 134:296447

TITLE: Preparation and physical properties of the polyurethane microgels based on poly(caprolactone) diol/poly(ethylene glycol)

AUTHOR(S): Lim, Jeong Soo; Kim, Kong Soo; Lee, Moo Jae; Lee, Young Geun

CORPORATE SOURCE: Department of Chemical Engineering, Chungbuk National University, Cheongju, 361-763, S. Korea

SOURCE: Polymer (Korea) (2001), 25(1), 41-48  
CODEN: POLLDG; ISSN: 0379-153X

PUBLISHER: Polymer Society of Korea

DOCUMENT TYPE: Journal

LANGUAGE: Korean

AB Polyurethane (PU) microgels were synthesized from poly(caprolactone) diol (PCD) and/or polyethylene glycol (PEG), diisocyanate and 1,2,6-hexanetriol by solution polymerization method. A critical gelation concentration of the PU microgels with, mole ratios of PCD/PEG were the important factors influencing the formation and property microgel or macrogels. The phys. and thermal properties of the PU microgels prepared with depending upon the structure of diisocyanate, mole ratio of PCD/PEG, and mol. weight of PEG were investigated. PU microgels were distributed by polydisperse, spherical small particles below 300 nm and showed properties of low viscosity.

L19 ANSWER 17 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:741971 CAPLUS

DOCUMENT NUMBER: 133:313688

TITLE: Lubricious coatings for medical devices

INVENTOR(S): Hsu, Li-Chien; Hu, Can B.; Tong, Sun-De

PATENT ASSIGNEE(S): Edwards Lifesciences Corporation, USA

SOURCE: PCT Int. Appl., 59 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061205	A1	20001019	WO 2000-US9344	20000408 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6340465	B1	20020122	US 1999-290501	19990412 <--
JP 2002541310	T	20021203	JP 2000-610536	20000408 <--
PRIORITY APPLN. INFO.:			US 1999-290501	A 19990412 <--
			WO 2000-US9344	W 20000408 <--

AB Biocompatible surfaces on medical devices, particularly those formed of synthetic materials, are produced by providing coating compds. having crosslinked regions capable of entrapping biocompatible mols. on the surfaces of medical devices in order to form a stable base layer. The crosslinked base layer is lubricious and is able to function as an entrapping or coupling site for addnl. biocompatible agents, which may be stably incorporated into its crosslinked lattice. Thus, the coatings of the present invention have enhanced lubricity and may also have antimicrobial, protein-repelling, and/or antithrombotic properties. Thus, a solution contained polyethyleneimine 0.3, PVP 0.3, heparin complex 0.3, stannous octoate 0.03, and PrOH 300 g. Polyurethane (PU) tubes were first soaked in a 0.2% Denacol 411/GENESOLV solution for 30 s. After drying, the PU tubes are soaked in the above solution for 30 s and then dried in a 650° oven for 2 h. Then the tubes were sterilized in ETO. The PU tubes had a pull force of 0.79 lb after a 30-day treatment.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 18 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2000:619578 CAPLUS  
 DOCUMENT NUMBER: 133:178559  
 TITLE: Polyurethane-based ion-conductive macromolecule adhesives  
 INVENTOR(S): Takeda, Kazunari; Sada, Tsutomu  
 PATENT ASSIGNEE(S): Pionics K. K., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239643	A	20000905	JP 1999-93272	19990223 <--
PRIORITY APPLN. INFO.:			JP 1999-93272	19990223 <--

AB The title adhesives, with good mech. strength, comprise crosslinked structure of polyether-polyols [e.g., polyoxyethylene, ethylene oxide-propylene oxide copolymer glycerol ether, ethylene oxide-propylene oxide copolymer diglycerol ether, polyoxyethylene sorbitol ether 2-(methoxy)ethyl glycidyl ether block copolymer] and isocyanates (e.g., Coronate L, IPDI, hydrogenated MDI), polyether-polyesters (e.g., polyethylene glycol di-Me phthalate ester, ethylene oxide-propylene oxide copolymer di-Me phthalate ester) mutually penetrated network structure with the polyether-polyols, electrolytes (e.g., LiClO<sub>4</sub>, LiBF<sub>4</sub>), and optionally plasticizers.

L19 ANSWER 19 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:612186 CAPLUS  
 DOCUMENT NUMBER: 133:208984  
 TITLE: Polyester polyamide fiber-based polyurethane laminate  
 for artificial leather  
 INVENTOR(S): Ikebukuro, Kazunari  
 PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239974	A	20000905	JP 1999-39943	19990218 <--
JP 3967486	B2	20070829		

PRIORITY APPLN. INFO.: JP 1999-39943 19990218 <--  
 AB The laminate comprises a surface layer of a polyurethane (thickness 30-400  $\mu\text{m}$ ), (A) an intermediate layer of a nonwoven porous polyamide fiber (fineness 0.1-0.0001 deniers)-impregnated polyurethane and (B) an inner layer of a nonwoven porous polyester fiber (fineness 0.1-0.0001 deniers)-impregnated polyurethane, wherein the thickness ratio of A/B is 0.5-5.

L19 ANSWER 20 OF 79 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:34613 CAPLUS  
 DOCUMENT NUMBER: 132:79369  
 TITLE: Polyacetal resin compositions containing  
 polycarbodiimides  
 INVENTOR(S): Imashiro, Yasuo; Horie, Naofumi  
 PATENT ASSIGNEE(S): Nisshinbo Industries, Inc., Japan  
 SOURCE: Eur. Pat. Appl., 10 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 970994	A1	20000112	EP 1999-113144	19990707 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2000026703	A	20000125	JP 1998-193289	19980708 <--
JP 3349439	B2	20021125		
US 6214940	B1	20010410	US 1999-339814	19990625 <--

PRIORITY APPLN. INFO.: JP 1998-193289 A 19980708 <--  
 AB The title compns. are free from the problems of conventional polyacetal resins and have good water resistance at high temps. Thus, a film contained 100 parts polyacetal and 3 parts 4,4'-dicyclohexylmethanecarbodiimide (d.p. 10) (I) prepared by the carbodiimidization of 4,4'-dicyclohexylmethane diisocyanate and had 10% weight-loss temperature 288°, compared with 280° without I.  
 REFERENCE COUNT: 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L19 and cationic  
 138924 CATIONIC  
 214 CATIONICS  
 138998 CATIONIC  
 (CATIONIC OR CATIONICS)  
 L22 8 L19 AND CATIONIC

=> d 1-8 L22 ibib abs

L22 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368279 CAPLUS

DOCUMENT NUMBER: 136:374516

TITLE: Composition for bleaching or permanent waving of keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038118	A1	20020516	WO 2001-FR3430	20011106 <--
W:			AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW	
RW:			GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	
FR 2816210	A1	20020510	FR 2000-14321	20001108 <--
FR 2816210	B1	20050225		
AU 200223760	A	20020521	AU 2002-23760	20011106 <--
EP 1335698	A1	20030820	EP 2001-993451	20011106 <--
EP 1335698	B1	20070117		
R:			AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR	
BR 2001015653	A	20030902	BR 2001-15653	20011106 <--
JP 2004513141	T	20040430	JP 2002-540708	20011106 <--
ES 2279840	T3	20070901	ES 2001-1993451	20011106 <--
MX 2003PA03947	A	20030819	MX 2003-PA3947	20030502 <--
US 2004034946	A1	20040226	US 2003-415937	20030507 <--
US 7077869	B2	20060718		
PRIORITY APPLN. INFO.:			FR 2000-14321	A 20001108 <--
			WO 2001-FR3430	W 20011106 <--

OTHER SOURCE(S): MARPAT 136:374516

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching or permanent waving method and devices using said composition A hair bleach contained citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethyl cellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, cationic polyurethane 0.3, magnesium sulfate 1, and water q.s. 100 g.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368277 CAPLUS

DOCUMENT NUMBER: 136:374515

TITLE: Bleaching composition for keratinous fibers comprising an associative polyurethane

INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland  
 PATENT ASSIGNEE(S): L'oreal, Fr.  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038117	A1	20020516	WO 2001-FR3429	20011106 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816209	A1	20020510	FR 2000-14320	20001108 <--
FR 2816209	B1	20050225		
AU 200223759	A	20020521	AU 2002-23759	20011106 <--
EP 1335697	A1	20030820	EP 2001-993450	20011106 <--
EP 1335697	B1	20070117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001015462	A	20030826	BR 2001-15462	20011106 <--
JP 2004513140	T	20040430	JP 2002-540707	20011106 <--
ES 2280426	T3	20070916	ES 2001-1993450	20011106 <--
MX 2003PA03984	A	20030819	MX 2003-PA3984	20030506 <--
US 2004034947	A1	20040226	US 2003-415953	20030507 <--
US 7066965	B2	20060627		
PRIORITY APPLN. INFO.:			FR 2000-14320	A 20001108 <--
			WO 2001-FR3429	W 20011106 <--

OTHER SOURCE(S): MARPAT 136:374515

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching, at least an oxidizing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching method and devices using said composition. A hair bleach contained 200 volume hydrogen peroxide 12, stabilizer q.s., cationic polyurethane 0.3, pH adjusting agent q.s. pH = 4.7, and water q.s. 100 g. The composition is applied on the hair for 45 min, the hair is then rinsed with water.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368275 CAPLUS

DOCUMENT NUMBER: 136:374514

TITLE: Oxidation dyeing composition for keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Cottard, Francois; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038116	A1	20020516	WO 2001-FR3428	20011106 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816207	A1	20020510	FR 2000-14319	20001108 <--
FR 2816207	B1	20030103		
CA 2427466	A1	20020516	CA 2001-2427466	20011106 <--
AU 200223758	A	20020521	AU 2002-23758	20011106 <--
BR 2001015461	A	20030819	BR 2001-15461	20011106 <--
EP 1335695	A1	20030820	EP 2001-993449	20011106 <--
EP 1335695	B1	20040602		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004513139	T	20040430	JP 2002-540706	20011106 <--
AT 268154	T	20040615	AT 2001-993449	20011106 <--
RU 2238714	C1	20041027	RU 2003-117010	20011106 <--
PT 1335695	T	20041029	PT 2001-993449	20011106 <--
ES 2222404	T3	20050201	ES 2001-1993449	20011106 <--
MX 2003PA03948	A	20030819	MX 2003-PA3948	20030502 <--
US 2004025266	A1	20040212	US 2003-415952	20030507 <--
US 7101405	B2	20060905		
PRIORITY APPLN. INFO.:			FR 2000-14319	A 20001108 <--
			WO 2001-FR3428	W 20011106 <--

OTHER SOURCE(S): MARPAT 136:374514

AB The invention concerns an oxidation dyeing composition for keratinous fibers, in

particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least an oxidation coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, paraphenylenediamine 0.324, 2-methyl-4-aminophenol 0.369, a cationic polyurethane 1.0, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong purple-red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368274 CAPLUS

DOCUMENT NUMBER: 136:374513

TITLE: Direct dyeing composition for keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Cottard, Francois; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038115	A1	20020516	WO 2001-FR3427	20011106 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816208	A1	20020510	FR 2000-14322	20001108 <--
FR 2816208	B1	20030103		
AU 200223757	A	20020521	AU 2002-23757	20011106 <--
EP 1335694	A1	20030820	EP 2001-993448	20011106 <--
EP 1335694	B1	20060920		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004513138	T	20040430	JP 2002-540705	20011106 <--
AT 339992	T	20061015	AT 2001-993448	20011106 <--
ES 2271107	T3	20070416	ES 2001-1993448	20011106 <--
BR 2003000082	A	20041013	BR 2003-82	20030106 <--
US 2004019981	A1	20040205	US 2003-415954	20030507 <--
US 7108726	B2	20060919		

## PRIORITY APPLN. INFO.:

FR 2000-14322	A	20001108 <--
WO 2001-FR3427	W	20011106 <--

AB The invention concerns a direct dyeing composition for keratinous fibers, in particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least a direct coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, 1,4-diamino-2-nitrobenzene 0.6, a cationic polyurethane 0.3, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:452827 CAPLUS

DOCUMENT NUMBER: 135:50859

TITLE: Composition associating two polyurethane polyethers for bleaching or permanent deformation of keratinous fibers

INVENTOR(S): Legrand, Frederic

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001043708 A1 20010621 WO 2000-FR3140 20001110 <--  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR,  
CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,  
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,  
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
FR 2802095 A1 20010615 FR 1999-15681 19991213 <--  
FR 2802095 B1 20020118  
AU 2001017107 A5 20010625 AU 2001-17107 20001110 <--  
EP 1239819 A1 20020918 EP 2000-979707 20001110 <--  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
PRIORITY APPLN. INFO.: FR 1999-15681 A 19991213 <--  
WO 2000-FR3140 W 20001110 <--

OTHER SOURCE(S): MARPAT 135:50859

AB The invention concerns a composition for bleaching or permanent deformation of keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and addnl. at least two specific polyurethane polyethers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compns. Thus, a hair bleach composition comprises (in g) citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethylcellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Aculyn-44 0.1, Aculyn-46 0.2, magnesium sulfate 1, and water q.s. to 100 g.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:450870 CAPLUS

DOCUMENT NUMBER: 135:50857

TITLE: Composition containing a mixture of two polyurethane polyethers for decoloring keratinic fibers

INVENTOR(S): Legrand, Frederic

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1108418	A1	20010620	EP 2000-403211	20001117 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2802094	A1	20010615	FR 1999-15678	19991213 <--
FR 2802094	B1	20020118		
AU 2000071848	A5	20010614	AU 2000-71848	20001127 <--
AU 760359	B2	20030515		
RU 2191568	C2	20021027	RU 2000-130872	20001208 <--
CA 2328561	A1	20010613	CA 2000-2328561	20001211 <--
CN 1302601	A	20010711	CN 2000-137313	20001212 <--
BR 2000006480	A	20010717	BR 2000-6480	20001212 <--
JP 2001199853	A	20010724	JP 2000-378101	20001212 <--
US 2001021376	A1	20010913	US 2000-734732	20001213 <--
US 6444197	B2	20020903		

PRIORITY APPLN. INFO.: FR 1999-15678 A 19991213 <--

OTHER SOURCE(S): MARPAT 135:50857

AB A composition for removing hair color is disclosed which comprises, in a milieu appropriate for decoloring, at least one oxidizing agent and at least one combination of two polyurethane polyethers. Said polyurethane polyether may be obtained by polycondensation of a polyethyleneglycol, stearyl alc., and methylene bis(4-cyclohexylisocyanate). Thus, a bleach comprises cetareth 30 2.2 g, Aculyn 44 0.1 g, Aculyn 46 0.2 g, stabilizers q.s., hydrogen peroxide up to 30 vols. 18 g, phosphoric acid q.s. to pH 2.5, distilled water q.s. to 100 g total.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:803136 CAPLUS

DOCUMENT NUMBER: 132:36915

TITLE: Ink-jet printing fabrics coated with cationic polymers and hygroscopic polymers for printing with water-soluble dyes using ink-jet printers for images with good sharpness and water resistance and manufacture thereof

INVENTOR(S): Takeuchi, Taihei

PATENT ASSIGNEE(S): Seikoh Chemicals Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 11350365	A	19991221	JP 1998-159037	19980608 <--
PRIORITY APPLN. INFO.:			JP 1998-159037	19980608 <--

AB The fabrics are prepared by impregnating or coating fabrics with aqueous solns. of cationic H2O-soluble polymers (A) and coating one or two sides of the fabrics with solns. mainly containing hygroscopic polymers (B) and organic

solvents to form an ink-receiving layer mainly comprising B or first coating one or two sides of the untreated fabrics with solns. mainly containing B to form an ink-receiving layer mainly comprising B and coating or impregnating the fabrics with aqueous solns. containing A. A woven polyester fabric was impregnated with an aqueous solution containing 3.3% Hiset CA (cationic polymer), squeezed, and dried to form a fabric with solids content 5 g/m2. The fabric was coated on one side with a solution containing 333 parts 30% polyurethane (prepared by copolyng. 200 parts polycarbonate diol with polyethylene glycol 800, hexylene glycol 59, and 4,4'-dicyclohexylmethane diisocyanate 524 parts) solution, 20 parts poly(vinylpyrrolidone) (Luviskol K-30), and 80 parts formaldehyde-urea copolymer powder and dried to give a fabric having an ink-receiving layer with solids content 35 g/m2 and exhibiting good softness and showing good sharpness and water resistance of images formed on printing the fabric using a water-soluble ink using an ink-jet printer.

L22 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:752089 CAPLUS

DOCUMENT NUMBER: 132:3924

TITLE: Artificial leather sheets with good embossability and manufacture therewith

INVENTOR(S): Ikebukuro, Kazunari; Wakamatsu, Tomoyuki

PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11323742	A	19991126	JP 1998-137300	19980520 <--
PRIORITY APPLN. INFO.:			JP 1998-137300	19980520 <--

AB The manufacture includes imparting a cationic surfactant onto a nonporous layer-covered fiber base layer and subjecting to the embossment treatment, where the nonporous layer consists of a diamine- or hydrazide-extended aliphatic or alicyclic polyurethane elastomer or a diol-extended MDI-type polyurethane elastomer. Coating a DMF solution of polyurethane elastomer (PUE) consisting of poly(ethylene adipate) glycol (I), 4,4'-MDI, ethylene glycol on a polyethylene film, coagulation in aqueous DMF, removing polyethylene film, and bonding the resulting porous film with a polyester fabric gave a base. Coating sequentially the base on the porous film with a polyurethane consisting of I, cyclohexylmethane-4,4'-diisocyanate, and isophoronediamine and PUE, treating with 1,5,9-Triazoniacyclododecane derivative cation  $[(C_{21}H_{43}CONHCH_2CH_2)_2N+CH_2CHOHCH_2]^{3+}$  Cl<sup>-</sup> and embossing gave a leather-like sheet with good appearance.

=&gt; s L8 and L11

L23 14 L8 AND L11

=&gt; s L8 and L12

L24 0 L8 AND L12

=&gt; dup rem L23

PROCESSING COMPLETED FOR L23

L25 14 DUP REM L23 (0 DUPLICATES REMOVED)

=&gt; s cationic and L23

138924 CATIONIC

214 CATIONICS

138998 CATIONIC

(CATIONIC OR CATIONICS)

L26 0 CATIONIC AND L23

=&gt; d 1-5 L23 ibib abs

L23 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:618903 CAPLUS

DOCUMENT NUMBER: 147:10373

TITLE: Production of crosslinker dispersions comprising blocked isocyanates

INVENTOR(S): Doerr, Sebastian; Mueller, Heino; Blum, Harald

PATENT ASSIGNEE(S): Bayer Materialsience A.-G., Germany

SOURCE: PCT Int. Appl., 14pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007062760	A2	20070607	WO 2006-EP11118	20061121
WO 2007062760	A3	20070830		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,

TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

DE 102005057336 A1 20070614 DE 2005-102005057336 20051201  
 US 2007129488 A1 20070607 US 2006-604954 20061128

PRIORITY APPLN. INFO.: DE 2005-102005057336A 20051201

AB In the title process, giving storage-stable dispersions free of  
 cosolvents, hydroxy acids 10-45 and/or chain extenders 0-15 equivalent% based  
 on NCO groups are dissolved in 50-90 equivalent% thermally-cleavable blocking  
 agents and the hydroxy acids are neutralized with bases before, during, or  
 after dispersion of the polyurethanes in H<sub>2</sub>O. Adding a solution of  
 1,6-hexanediol 0.1, hydroxypivalic acid 0.2, and butanone oxime 0.7  
 equivs. over .apprx.1 h to 1.1 equivalent Desmodur N 3300 at 50-90° and  
 stirring at 90° until all NCO groups were blocked (.apprx.12 h),  
 cooling to 85°, adding 0.220 equivalent Me<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>OH, stirring for 10  
 min, adding 478 g H<sub>2</sub>O heated to 50° with strong stirring, and  
 heating at 50° for 2 h gave a dispersion with solids content  
 .apprx.38%, pH .apprx.9.1, viscosity (23°) °1600 mPa-s, and  
 particle size 17 nm, showing no deposition after 3 mo at 40°.

L23 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2007:198157 CAPLUS

DOCUMENT NUMBER: 146:276186

TITLE: Polymer composition as a base-coat for corrosion  
 protection of metal surfaces in home appliances,  
 automotive parts and coil coatings

INVENTOR(S): Goethlich, Alexander; Klippel, Frank; Schornick,  
 Gunnar; Vandermeulen, Guido; Witteler, Helmut;  
 Heidenfelder, Thomas; Hickl, Markus; Dornbusch,  
 Michael; Roschmann, Konrad; Fernandez Gonzalez, Monica

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 7lpp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007020220	A1	20070222	WO 2006-EP65194	20060809
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

DE 102005038608 A1 20070222 DE 2005-102005038608 20050816

PRIORITY APPLN. INFO.: DE 2005-102005038608A 20050816

AB The invention relates to a composition for coating metal surfaces, which  
 contains 15-70 % of a binding component, 0.1- 40 % of a corrosion  
 inhibitor polymer based on an ethylenic mono- and dicarboxylic acid and,  
 optionally, addnl. ethylenic monomers, 5-84.5 % of a solvent component  
 and, 0-30 % of a cross-linker components and 0-70 % of pigments, fillers  
 and, optionally other additives. Epoxy resin composition, acrylic latex or

water-based polyurethanes can be used as binding components and copolymers of maleic acid or anhydride, (meth)acrylic acid and vinyl phosphonic acid are used as corrosion inhibiting polymer. The composition is produced by blending all components and can be applied to metal surface by blade, spray, brush as a base coat, in particular, in coil coatings, or for home appliances, or parts in automobile construction providing atmospheric corrosion protection. After drying, the applied layer has a thickness of at least 3.1  $\mu\text{m}$  and is thicker than a normal base-coat layer.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:54069 CAPLUS  
DOCUMENT NUMBER: 144:129734  
TITLE: Functionalized, aqueous resins  
INVENTOR(S): Andrejewski, Werner; Gloeckner, Patrick; Mindach, Lutz  
PATENT ASSIGNEE(S): Degussa A.-G., Germany  
SOURCE: PCT Int. Appl., 23 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006005644	A1	20060119	WO 2005-EP52350	20050523
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
DE 102004034303	A1	20060209	DE 2004-102004034303	20040715
CA 2573724	A1	20060119	CA 2005-2573724	20050523
CN 1918206	A	20070221	CN 2005-80004576	20050523
EP 1765904	A1	20070328	EP 2005-747885	20050523
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
KR 2007021318	A	20070222	KR 2007-700943	20070115
PRIORITY APPLN. INFO.: DE 2004-102004034303A 20040715				
WO 2005-EP52350 W 20050523				

AB Disclosed are storage-stable aqueous, functionalized resin dispersions obtained by reacting or partially reacting (A) hydroxy group-containing ketone resins, ketone/aldehyde resins, urea/aldehyde resins, or the hydrogenated resultant products thereof, (B) at least one modified isocyanate and/or polyisocyanate which comprises at least one free NCO group and is obtained by reacting at least one isocyanate and/or polyisocyanate with compds. containing at least one hydrophilic group and/or a potentially hydrophilic group in addition to being provided with at least one function that is reactive towards isocyanate groups, and (C) at least one compound which is provided with a function reactive to isocyanate groups and contains addnl. functional groups, whereupon the optionally neutralized resin is mixed with water. The dispersions contain lower amts. of additives such as emulsifiers, protective colloids, and electrolytes.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 2005:34806 CAPLUS  
 DOCUMENT NUMBER: 142:114719  
 TITLE: Preparation method of stable aqueous polycarbodiimide  
 dispersions and crosslinking agents therewith  
 INVENTOR(S): Hesselmans, Laurentius Cornelius Josephus; Derksen,  
 Andries Johannes; Munneke, Jacob Christian  
 PATENT ASSIGNEE(S): Stahl International B. V., Neth.  
 SOURCE: PCT Int. Appl., 11 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005003204	A2	20050113	WO 2004-NL470	20040702
WO 2005003204	A3	20050310		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
NL 1023817	C2	20050104	NL 2003-1023817	20030703
AU 2004253814	A1	20050113	AU 2004-253814	20040702
CA 2531230	A1	20050113	CA 2004-2531230	20040702
EP 1644428	A2	20060412	EP 2004-748700	20040702
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1805984	A	20060719	CN 2004-80016351	20040702
BR 2004011732	A	20060808	BR 2004-11732	20040702
JP 2007521360	T	20070802	JP 2006-516993	20040702
MX 2005PA13947	A	20060703	MX 2005-PA13947	20051219
US 2006106189	A1	20060518	US 2005-320189	20051228
IN 2006DN00016	A	20070824	IN 2006-DN16	20060102
PRIORITY APPLN. INFO.:			NL 2003-1023817	A 20030703
			WO 2004-NL470	W 20040702

AB A process for the preparation of stable aqueous polycarbodiimide dispersions, to be

used as crosslinking agent, which are free of organic solvents is described. Said process is characterized in: reacting a polyisocyanate in the presence of a carbodiimide catalyst to form a polycarbodiimide, terminating and/or chain extending the polycarbodiimide chain by the addition of a compound containing a hydrophilic group and one or more amine and/or hydroxy functions during or after the polycarbodiimide formation dispersion of the resulting compound in water, wherein pH is adjusted to 9-14 by the addition of a base and/or a buffer to the water used for the dispersion and/or to the obtained aqueous dispersion. According to the present process said terminating or chain extending with the compound containing

a hydrophilic group and one or more amine functions may also occur during or after the dispersion of the polycarbodiimide in water. The preferred pH of the polycarbodiimide dispersions is between 11 and 13. Furthermore the invention relates to a coating mixture comprising the polycarbodiimide dispersions obtained by the invention as crosslinking agent and an aqueous resin containing carboxylic acid functions. Finally the invention comprises cured material obtained by applying said coating mixture to a substrate, and

evaporating the water.

L23 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:253025 CAPLUS

DOCUMENT NUMBER: 136:279838

TITLE: Preparation and use of water-dispersible, powdered, blocked polyisocyanate adducts

INVENTOR(S): Mindach, Lutz; Janischewski, Klaus; Jonderko, Klaus-Peter

PATENT ASSIGNEE(S): Degussa A.-G., Germany

SOURCE: Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1193277	A2	20020403	EP 2001-119326	20010810
EP 1193277	A3	20020710		
EP 1193277	B1	20060322		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 10047762	A1	20020411	DE 2000-10047762	20000927
US 2002061999	A1	20020523	US 2001-963423	20010927
US 7033522	B2	20060425		

PRIORITY APPLN. INFO.: DE 2000-10047762 A 20000927

AB The title adducts, with good storage stability, are reaction products of polyisocyanates (average mol. weight  $\leq 1000$ , average functionality 2-4) 5-95, NCO-reactive, hydrophilic components 5-70, neutralizing agents 0-15%, and blocking agents (blocking 95-100% of residual NCO groups). Stirring and refluxing a mixture of IPDI isocyanurate 741.2, IPDI 222.0, acetone 451.4, 10% acetone solution of Bu<sub>2</sub>Sn dilaurate 22.0, and powdered dimethylolpropionic acid 134.0 g for 6-8 h, cooling to 40-45°, adding 253 g MEK oxime at 40-50°, stirring for 30 min, cooling to 30°, adding 45.6 g Me<sub>2</sub>NCH<sub>2</sub>CH<sub>2</sub>OH to 1100 g this acetone solution, and spray drying gave a powdered, blocked isocyanate. Dispersing the products in various aqueous polymer dispersions is exemplified.

=> s L15 AND cationic

138924 CATIONIC

214 CATIONICS

138998 CATIONIC

(CATIONIC OR CATIONICS)

L27 8 L15 AND CATIONIC

=> d 1-8 L27 ibib abs

L27 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368279 CAPLUS

DOCUMENT NUMBER: 136:374516

TITLE: Composition for bleaching or permanent waving of keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 49 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038118	A1	20020516	WO 2001-FR3430	20011106
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816210	A1	20020510	FR 2000-14321	20001108
FR 2816210	B1	20050225		
AU 200223760	A	20020521	AU 2002-23760	20011106
EP 1335698	A1	20030820	EP 2001-993451	20011106
EP 1335698	B1	20070117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001015653	A	20030902	BR 2001-15653	20011106
JP 2004513141	T	20040430	JP 2002-540708	20011106
ES 2279840	T3	20070901	ES 2001-1993451	20011106
MX 2003PA03947	A	20030819	MX 2003-PA3947	20030502
US 2004034946	A1	20040226	US 2003-415937	20030507
US 7077869	B2	20060718		
PRIORITY APPLN. INFO.:			FR 2000-14321	A 20001108
			WO 2001-FR3430	W 20011106

OTHER SOURCE(S): MARPAT 136:374516

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching or permanent waving method and devices using said composition. A hair bleach contained citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethyl cellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, cationic polyurethane 0.3, magnesium sulfate 1, and water q.s. 100 g.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368277 CAPLUS

DOCUMENT NUMBER: 136:374515

TITLE: Bleaching composition for keratinous fibers comprising an associative polyurethane

INVENTOR(S): Legrand, Frederic; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038117	A1	20020516	WO 2001-FR3429	20011106
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				



PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,  
 UG, US, UZ, VN, YU, ZA, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

FR 2816209 A1 20020510 FR 2000-14320 20001108  
 FR 2816209 B1 20050225  
 AU 200223759 A 20020521 AU 2002-23759 20011106  
 EP 1335697 A1 20030820 EP 2001-993450 20011106  
 EP 1335697 B1 20070117

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001015462 A 20030826 BR 2001-15462 20011106  
 JP 2004513140 T 20040430 JP 2002-540707 20011106  
 ES 2280426 T3 20070916 ES 2001-1993450 20011106  
 MX 2003PA03984 A 20030819 MX 2003-PA3984 20030506  
 US 2004034947 A1 20040226 US 2003-415953 20030507  
 US 7066965 B2 20060627

PRIORITY APPLN. INFO.: FR 2000-14320 A 20001108  
 WO 2001-FR3429 W 20011106

OTHER SOURCE(S): MARPAT 136:374515

AB The invention concerns bleaching compns. for keratinous fibers, in particular human keratinous fibers and more particularly hair, comprising, in a medium suitable for bleaching, at least an oxidizing agent and furthermore at least a cationic associative polyurethane. The invention also concerns the bleaching method and devices using said composition A hair bleach contained 200 volume hydrogen peroxide 12, stabilizer q.s., cationic polyurethane 0.3, pH adjusting agent q.s. pH = 4.7, and water q.s: 100 g. The composition is applied on the hair for 45 min , the hair is then rinsed with water.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368275 CAPLUS

DOCUMENT NUMBER: 136:374514

TITLE: Oxidation dyeing composition for keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Cottard, Francois; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038116	A1	20020516	WO 2001-FR3428	20011106
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816207	A1	20020510	FR 2000-14319	20001108
FR 2816207	B1	20030103		
CA 2427466	A1	20020516	CA 2001-2427466	20011106
AU 200223758	A	20020521	AU 2002-23758	20011106

BR 2001015461	A	20030819	BR 2001-15461	20011106
EP 1335695	A1	20030820	EP 2001-993449	20011106
EP 1335695	B1	20040602		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004513139	T	20040430	JP 2002-540706	20011106
AT 268154	T	20040615	AT 2001-993449	20011106
RU 2238714	C1	20041027	RU 2003-117010	20011106
PT 1335695	T	20041029	PT 2001-993449	20011106
ES 2222404	T3	20050201	ES 2001-1993449	20011106
MX 2003PA03948	A	20030819	MX 2003-PA3948	20030502
US 2004025266	A1	20040212	US 2003-415952	20030507
US 7101405	B2	20060905		

PRIORITY APPLN. INFO.: FR 2000-14319 A 20001108  
WO 2001-FR3428 W 20011106

OTHER SOURCE(S): MARPAT 136:374514

AB The invention concerns an oxidation dyeing composition for keratinous fibers, in

particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least an oxidation coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, paraphenylenediamine 0.324, 2-methyl-4-aminophenol 0.369, a cationic polyurethane 1.0, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong purple-red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:368274 CAPLUS

DOCUMENT NUMBER: 136:374513

TITLE: Direct dyeing composition for keratinous fibers comprising a cationic associative polyurethane

INVENTOR(S): Cottard, Francois; De la Mettrie, Roland

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002038115	A1	20020516	WO 2001-FR3427	20011106
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816208	A1	20020510	FR 2000-14322	20001108
FR 2816208	B1	20030103		

AU 200223757	A	20020521	AU 2002-23757	20011106
EP 1335694	A1	20030820	EP 2001-993448	20011106
EP 1335694	B1	20060920		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004513138	T	20040430	JP 2002-540705	20011106
AT 339992	T	20061015	AT 2001-993448	20011106
ES 2271107	T3	20070416	ES 2001-1993448	20011106
BR 2003000082	A	20041013	BR 2003-82	20030106
US 2004019981	A1	20040205	US 2003-415954	20030507
US 7108726	B2	20060919		

PRIORITY APPLN. INFO.:

FR 2000-14322	A	20001108
WO 2001-FR3427	W	20011106

AB The invention concerns a direct dyeing composition for keratinous fibers, in particular for human keratinous fibers and more particularly hair, comprising, in a medium suitable for dyeing, at least a direct coloring agent, and furthermore at least a cationic associative polyurethane. The invention also concerns dyeing methods and devices using said composition. A hair dye contained ethoxylated fatty alc. 32.5, oleic acid 2, oleic alc. 1.8, fatty amide 4, glycerin 3, 60% cationic polymer 1.2, Merquat-280 2, sequestering agent q.s., reducing agent q.s., 20% ammonia 8, 1,4-diamino-2-nitrobenzene 0.6, a cationic polyurethane 0.3, and water q.s. 100 g. At the time of use the dye composition is mixed with equal amount of oxidant composition (formulation given) at a ratio of 1:1.5 and applied on the hair. The hair was then rinsed with water after 30 min, washed with shampoo, rinsed with water and dried to give a strong red color.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:452827 CAPLUS

DOCUMENT NUMBER: 135:50859

TITLE: Composition associating two polyurethane polyethers for bleaching or permanent deformation of keratinous fibers

INVENTOR(S): Legrand, Frederic

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001043708	A1	20010621	WO 2000-FR3140	20001110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
FR 2802095	A1	20010615	FR 1999-15681	19991213
FR 2802095	B1	20020118		
AU 2001017107	A5	20010625	AU 2001-17107	20001110
EP 1239819	A1	20020918	EP 2000-979707	20001110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

## PRIORITY APPLN. INFO.:

FR 1999-15681

A 19991213

WO 2000-FR3140

W 20001110

## OTHER SOURCE(S):

MARPAT 135:50859

AB The invention concerns a composition for bleaching or permanent deformation of keratinous fibers, in particular human keratinous fibers such as hair, comprising, in a medium suitable for bleaching or permanent waving, at least a reducing agent and addnl. at least two specific polyurethane polyethers. The invention also concerns methods and devices for bleaching and permanent waving of keratinous fibers using said compns. Thus, a hair bleach composition comprises (in g) citric acid 7.4, trisodium citrate dihydrate 1, hydroxyethylcellulose 1.5, 2-oxoglutaric acid 0.8, sodium ascorbate 5.7, L-cysteine 2, Aculyn-44 0.1, Aculyn-46 0.2, magnesium sulfate 1, and water q.s. to 100 g.

## REFERENCE COUNT:

3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

## ACCESSION NUMBER:

2001:450870 CAPLUS

## DOCUMENT NUMBER:

135:50857

## TITLE:

Composition containing a mixture of two polyurethane  
polyethers for decoloring keratinic fibers

## INVENTOR(S):

Legrand, Frederic

## PATENT ASSIGNEE(S):

L'Oreal, Fr.

## SOURCE:

Eur. Pat. Appl., 23 pp.

CODEN: EPXXDW

## DOCUMENT TYPE:

Patent

## LANGUAGE:

French

## FAMILY ACC. NUM. COUNT:

1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1108418	A1	20010620	EP 2000-403211	20001117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2802094	A1	20010615	FR 1999-15678	19991213
FR 2802094	B1	20020118		
AU 2000071848	A5	20010614	AU 2000-71848	20001127
AU 760359	B2	20030515		
RU 2191568	C2	20021027	RU 2000-130872	20001208
CA 2328561	A1	20010613	CA 2000-2328561	20001211
CN 1302601	A	20010711	CN 2000-137313	20001212
BR 2000006480	A	20010717	BR 2000-6480	20001212
JP 2001199853	A	20010724	JP 2000-378101	20001212
US 2001021376	A1	20010913	US 2000-734732	20001213
US 6444197	B2	20020903		

## PRIORITY APPLN. INFO.:

FR 1999-15678

A 19991213

## OTHER SOURCE(S):

MARPAT 135:50857

AB A composition for removing hair color is disclosed which comprises, in a milieu appropriate for decoloring, at least one oxidizing agent and at least one combination of two polyurethane polyethers. Said polyurethane polyether may be obtained by polycondensation of a polyethyleneglycol, stearyl alc., and methylene bis(4-cyclohexylisocyanate). Thus, a bleach comprises cetareth 30 2.2 g, Aculyn 44 0.1 g, Aculyn 46 0.2 g, stabilizers q.s., hydrogen peroxide up to 30 vols. 18 g, phosphoric acid q.s. to pH 2.5, distilled water q.s. to 100 g total.

## REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L27 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

## ACCESSION NUMBER:

1999:803136 CAPLUS

## DOCUMENT NUMBER:

132:36915

## TITLE:

Ink-jet printing fabrics coated with cationic  
polymers and hygroscopic polymers for printing with

water-soluble dyes using ink-jet printers for images  
with good sharpness and water resistance and  
manufacture thereof

INVENTOR(S): Takeuchi, Taihei  
PATENT ASSIGNEE(S): Seikoh Chemicals Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11350365	A	19991221	JP 1998-159037	19980608
PRIORITY APPLN. INFO.:			JP 1998-159037	19980608

AB The fabrics are prepared by impregnating or coating fabrics with aqueous solns. of cationic H<sub>2</sub>O-soluble polymers (A) and coating one or two sides of the fabrics with solns. mainly containing hygroscopic polymers (B) and organic solvents to form an ink-receiving layer mainly comprising B or first coating one or two sides of the untreated fabrics with solns. mainly containing B to form an ink-receiving layer mainly comprising B and coating or impregnating the fabrics with aqueous solns. containing A. A woven polyester fabric was impregnated with an aqueous solution containing 3.3% Hiset CA ( cationic polymer), squeezed, and dried to form a fabric with solids content 5 g/m<sup>2</sup>. The fabric was coated on one side with a solution containing 333 parts 30% polyurethane (prepared by copolymg. 200 parts polycarbonate diol with polyethylene glycol 800, hexylene glycol 59, and 4,4'-dicyclohexylmethane diisocyanate 524 parts) solution, 20 parts poly(vinylpyrrolidone) (Luviskol K-30), and 80 parts formaldehyde-urea copolymer powder and dried to give a fabric having an ink-receiving layer with solids content 35 g/m<sup>2</sup> and exhibiting good softness and showing good sharpness and water resistance of images formed on printing the fabric using a water-soluble ink using an ink-jet printer.

L27 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:752089 CAPLUS  
DOCUMENT NUMBER: 132:3924  
TITLE: Artificial leather sheets with good embossability and manufacture therewith

INVENTOR(S): Ikebukuro, Kazunari; Wakamatsu, Tomoyuki  
PATENT ASSIGNEE(S): Kuraray Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11323742	A	19991126	JP 1998-137300	19980520
PRIORITY APPLN. INFO.:			JP 1998-137300	19980520

AB The manufacture includes imparting a cationic surfactant onto a nonporous layer-covered fiber base layer and subjecting to the embossment treatment, where the nonporous layer consists of a diamine- or hydrazide-extended aliphatic or alicyclic polyurethane elastomer or a diol-extended MDI-type polyurethane elastomer. Coating a DMF solution of polyurethane elastomer (PUE) consisting of poly(ethylene adipate) glycol (I), 4,4'-MDI, ethylene glycol on a polyethylene film, coagulation in aqueous DMF, removing polyethylene film, and bonding the resulting porous film with a polyester fabric gave a base. Coating sequentially the base on the porous film with a polyurethane consisting of I, cyclohexylmethane-4,4'-

diisocyanate, and isophoronediamine and PUE, treating with  
 1,5,9-Triazoniacyclododecane derivative cation [(C<sub>21</sub>H<sub>43</sub>CONHCH<sub>2</sub>CH<sub>2</sub>)<sub>2</sub>N+CH<sub>2</sub>CHOHCH  
 2]3.3 Cl<sup>-</sup> and embossing gave a leather-like sheet with good appearance.

=> s cationic polyurethane  
 138924 CATIONIC  
 214 CATIONICS  
 138998 CATIONIC  
 (CATIONIC OR CATIONICS)  
 129462 POLYURETHANE  
 102463 POLYURETHANES  
 159458 POLYURETHANE  
 (POLYURETHANE OR POLYURETHANES)  
 L28 304 CATIONIC POLYURETHANE  
 (CATIONIC(W) POLYURETHANE)

=> s L2  
 L29 1034 L2

=> s L29 and L28  
 L30 1 L29 AND L28

=> d 1 L30 ibib abs

L30 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2002:69413 CAPLUS  
 DOCUMENT NUMBER: 136:118886.  
 TITLE: Associative cationic polyurethanes  
 and their use as thickeners and gelling agents  
 INVENTOR(S): Mougin, Nathalie; Cottard, Francois; De La Mettrie,  
 Roland; Lion, Bertrand; Maury, Elise  
 PATENT ASSIGNEE(S): L'Oreal, Fr.  
 SOURCE: Eur. Pat. Appl., 13 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1174450	A1	20020123	EP 2001-401818	20010706
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2811993	A1	20020125	FR 2000-9609	20000721
FR 2811993	B1	20060804		
CN 1334277	A	20020206	CN 2001-120612	20010716
ZA 2001005821	A	20020207	ZA 2001-5821	20010716
US 2003124079	A1	20030703	US 2001-904516	20010716
BR 2001002946	A	20020305	BR 2001-2946	20010718
AU 765016	B2	20030904	AU 2001-54483	20010718
CA 2353342	A1	20020121	CA 2001-2353342	20010720
CA 2353342	C	20060502		
HU 2001003041	A2	20020429	HU 2001-3041	20010720
MX 2001PA07393	A	20030519	MX 2001-PA7393	20010720
RU 2213102	C2	20030927	RU 2001-120440	20010720
JP 2002105161	A	20020410	JP 2001-221150	20010723
US 2004141943	A1	20040722	US 2004-751514	20040106
JP 2006176789	A	20060706	JP 2006-3731	20060111
PRIORITY APPLN. INFO.:			FR 2000-9609	A 20000721
			US 2001-904516	A3 20010716
			JP 2001-221150	A3 20010723

AB Cationic polyurethanes, useful as thickeners and

gelling agents for cosmetics, are based on the formula:  
RX(P)n[L(Y)m]rL'(P')pX'R' [R, R' = hydrophobic group or H; X, X' = amine group (optionally bearing a hydrophobic group) or L''; L, L', L'' = group derived from a diisocyanate; P, P' = amine group (optionally bearing a hydrophobic group); Y = hydrophilic group; r = 1-100; n, m, p = 0-1000], with the polymers having  $\geq 1$  of the amine groups being protonated or quaternized and having  $\geq 1$  hydrophobic group. A typical polymer was manufactured polymerization of 4 mol methylenebiscyclohexyl diisocyanate with

1 mol polyethylene glycol, reaction of the product with 2 mol each stearyl alc. and N-methylethanolamine and quaternization of the 2nd intermediate with 2 mol (Me)<sub>2</sub>SO<sub>4</sub>.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s alkyl halide  
599669 ALKYL  
6475 ALKYL  
602588 ALKYL  
(ALKYL OR ALKYL)  
158689 HALIDE  
129732 HALIDES  
227032 HALIDE  
(HALIDE OR HALIDES)  
L31 16835 ALKYL HALIDE  
(ALKYL(W)HALIDE)

=> s L28 and L31  
L32 1 L28 AND L31

=> d L32 ibib abs

L32 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2001:467082 CAPLUS  
DOCUMENT NUMBER: 136:107363  
TITLE: Synthesis and characterization of non-leaching biocidal polyurethanes  
AUTHOR(S): Grapski, J. A.; Cooper, S. L.  
CORPORATE SOURCE: Department of Chemical Engineering, University of Delaware, Newark, DE, 19716, USA  
SOURCE: Biomaterials (2001), 22(16), 2239-2246  
CODEN: BIMADU; ISSN: 0142-9612  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The biocidal activities of a series of quaternized polyurethanes were examined against Staphylococcus aureus and Escherichia coli. The percentage of dead cells on a surface was found to depend on the alkyl halide used for quaternization, the concentration of quaternized moieties in the polyurethane, the gram-type of the microorganism, and the contact time of the organism with the surface. N,N-bis(2-hydroxyethyl)isonicotinamide (BIN) was incorporated as the chain extender in a series of poly(tetramethylene oxide)-based polyurethane block copolymers. Three families of materials were synthesized that contained increasing hard segment fractions and therefore increasing concns. of BIN. The pyridine ring in BIN was quaternized with a variety of alkyl halides to form cationic polyurethanes that possessed biocidal activity. The effect of quaternization on material properties was examined with tensile testing, water absorption anal., and contact angle measurements. The antibacterial action of the polymers was investigated with zone of inhibition expts. and fluorescence microscopy, which was established as a reliable technique to determine the viability of organisms attached to a polymer surface.

REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s L28 and L11  
L33 8 L28 AND L11

=> d 1 L33 ibib abs

L33 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:460015 CAPLUS  
DOCUMENT NUMBER: 143:134137  
TITLE: Cationic polyurethane water  
dispersion and its preparation  
INVENTOR(S): Zhang, Xuetong; Luo, Yunjun; Wang, Bangqi  
PATENT ASSIGNEE(S): Peop. Rep. China  
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp.  
given  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1511880	A	20040714	CN 2002-159275	20021230

PRIORITY APPLN. INFO.: CN 2002-159275 20021230

AB The polyurethane dispersion comprises a cationic water-thinned polyurethane prepolymer 15-45%, a amino-terminated dendritic or super-branched polymer 0.01-3%, higher b.p. solvent [100 <b.p. (at normal pressure) <350°] 0-2% and water 50-80%. The amino-terminated dendritic or super-branched polymer-crosslinked polyurethane has improved tensile strength and elongation at breaking and useful for coatings and adhesives.

=> d 2-8 L33 ibib abs

L33 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2002:69413 CAPLUS  
DOCUMENT NUMBER: 136:118886  
TITLE: Associative cationic polyurethanes  
and their use as thickeners and gelling agents  
INVENTOR(S): Mougin, Nathalie; Cottard, Francois; De La Mettrie,  
Roland; Lion, Bertrand; Maury, Elise  
PATENT ASSIGNEE(S): L'Oreal, Fr.  
SOURCE: Eur. Pat. Appl., 13 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1174450	A1	20020123	EP 2001-401818	20010706
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
FR 2811993	A1	20020125	FR 2000-9609	20000721
FR 2811993	B1	20060804		
CN 1334277	A	20020206	CN 2001-120612	20010716
ZA 2001005821	A	20020207	ZA 2001-5821	20010716
US 2003124079	A1	20030703	US 2001-904516	20010716



BR 2001002946	A	20020305	BR 2001-2946	20010718
AU 765016	B2	20030904	AU 2001-54483	20010718
CA 2353342	A1	20020121	CA 2001-2353342	20010720
CA 2353342	C	20060502		
HU 2001003041	A2	20020429	HU 2001-3041	20010720
MX 2001PA07393	A	20030519	MX 2001-PA7393	20010720
RU 2213102	C2	20030927	RU 2001-120440	20010720
JP 2002105161	A	20020410	JP 2001-221150	20010723
US 2004141943	A1	20040722	US 2004-751514	20040106
JP 2006176789	A	20060706	JP 2006-3731	20060111
PRIORITY APPLN. INFO.:			FR 2000-9609	A 20000721
			US 2001-904516	A3 20010716
			JP 2001-221150	A3 20010723

AB Cationic polyurethanes, useful as thickeners and gelling agents for cosmetics, are based on the formula:  
 $RX(P)n[L(Y)m]rL'(P')pX'R'$  [R, R' = hydrophobic group or H; X, X' = amine group (optionally bearing a hydrophobic group) or L''; L, L', L'' = group derived from a diisocyanate; P, P' = amine group (optionally bearing a hydrophobic group); Y = hydrophilic group; r = 1-100; n, m, p = 0-1000], with the polymers having  $\geq 1$  of the amine groups being protonated or quaternized and having  $\geq 1$  hydrophobic group. A typical polymer was manufactured polymerization of 4 mol methylenebiscyclohexyl diisocyanate with 1 mol polyethylene glycol, reaction of the product with 2 mol each stearyl alc. and N-methylethanolamine and quaternization of the 2nd intermediate with 2 mol (Me)<sub>2</sub>SO<sub>4</sub>.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1999:595076 CAPLUS  
DOCUMENT NUMBER: 131:201392  
TITLE: Water resistance-improving agents for ink-jet recording paper and ink-jet recording paper therefrom  
INVENTOR(S): Yamada, Toshio; Takahashi, Toshiaki; Kinoshita, Hirotaka; Gensho, Toshio  
PATENT ASSIGNEE(S): Nicca Chemical Co., Ltd., Japan  
SOURCE: PCT Int. Appl., 33 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
WO 9946130	A1	19990916	WO 1999-JP1139	19990310
W: US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 11254809	A	19990921	JP 1998-58538	19980310
EP 1068959	A1	20010117	EP 1999-939179	19990310
R: CH, DE, FR, GB, LI				
PRIORITY APPLN. INFO.:			JP 1998-58538	A 19980310
			WO 1999-JP1139	W 19990310

AB Title agents contain cationic polyurethanes prepared from polyisocyanates (A) and tertiary amines (B) having 2-10 OH and/or NH<sub>2</sub> groups at an equiv ratio of NCO to (OH + NH<sub>2</sub>) of 0.5-3.0. A piece of paper was coated with an aqueous solution containing 85:45

HMDI-methyldiethanolamine copolymer Et<sub>2</sub>SO<sub>4</sub> salt to give a paper showing good ink smudge prevention and water resistance (by soaking printed paper in water for 5 min).

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L33 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1997:805710 CAPLUS  
 DOCUMENT NUMBER: 128:49713  
 TITLE: Manufacture of hydroxy-functional quaternary ammonium compounds and manufacture of cationic polyurethanes  
 INVENTOR(S): Gorzynski, Marek A.; Macherey, J. Heribert  
 PATENT ASSIGNEE(S): Eka Chemicals AB, Swed.; Gorzynski, Marek A.; Macherey, J. Heribert  
 SOURCE: PCT Int. Appl., 19 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745395	A1	19971204	WO 1997-SE873	19970527
W: AU, BR, CA, CN, CZ, JP, KR, MX, NO, NZ, PL, RU, SI, SK, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2255844	A1	19971204	CA 1997-2255844	19970527
AU 9729872	A	19980105	AU 1997-29872	19970527
EP 904261	A1	19990331	EP 1997-924459	19970527
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, FI				
JP 11511792	T	19991012	JP 1997-542192	19970527
PRIORITY APPLN. INFO.:				
			SE 1996-2041	A 19960528
			US 1996-19200P	P 19960606
			WO 1997-SE873	W 19970527

OTHER SOURCE(S): MARPAT 128:49713

AB The invention relates to preparation of OH-functional quaternary ammonium compds. and their use in the manufacture of aqueous dispersion of cationic polyurethanes as paper sizing agents. Thus, quaternization of N-methyldiethanolamine (I) with epichlorohydrin in the presence of HCO<sub>2</sub>H gave (3-chloro-2-hydroxypropyl)-bis(2-hydroxyethyl)methylammonium formate which was combined with I and a glycerol monostearate-TDI precondensate (preparation given) in aqueous Me<sub>2</sub>CO and the whole was refluxed for 1 h at 40, neutralized with 1M HCl and diluted with H<sub>2</sub>O to give a polyurethane dispersion (15-17% solids.). The diluted samples (100 mL; 0.5% solids) of the dispersion remained clear when treated with 1-3 mL of saturated aqueous Na<sub>2</sub>SO<sub>4</sub> at 20°. The dispersion at 0.10% dosage gave sized paper with Cobb value of 40, vs. 74 for the paper sized with a similar cationic polyurethane prepared without I.

L33 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1994:77947 CAPLUS  
 DOCUMENT NUMBER: 120:77947  
 TITLE: Cationic polyurethane compositions, quaternary ammonium salts and their preparation  
 INVENTOR(S): Bechara, Ibrahim; Baranowski, Thomas R.  
 PATENT ASSIGNEE(S): Witco Corp., USA  
 SOURCE: Eur. Pat. Appl., 12 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 541289	A1	19930512	EP 1992-309879	19921028

EP 541289 B1 19970312  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  
EP 718276 A2 19960626 EP 1996-100161 19921028  
EP 718276 A3 19960710  
EP 718276 B1 19991222  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE  
ES 2100302 T3 19970616 ES 1992-309879 19921028  
ES 2143096 T3 20000501 ES 1996-100161 19921028  
CA 2081865 A1 19930502 CA 1992-2081865 19921030  
JP 05320331 A 19931203 JP 1992-294480 19921102  
JP 3313785 B2 20020812  
JP 2002317025 A 20021031 JP 2002-95222 19921102  
US 5561187 A 19961001 US 1995-440678 19950515  
US 6221954 B1 20010424 US 1995-456655 19950605  
US 5696291 A 19971209 US 1996-729046 19961010

PRIORITY APPLN. INFO.:

US 1991-786393 A 19911101  
EP 1992-309879 A3 19921028  
JP 1992-294480 A3 19921102  
US 1993-159042 B1 19931129  
US 1994-334450 A3 19941104  
US 1995-440679 A1 19950515

OTHER SOURCE(S): MARPAT 120:77947

AB Quaternized bis(hydroxyalkyl)amine salts are prepared by the reaction of a tertiary amine [especially (hydroxyalkyl)dialkylamine] and slight molar excess alkylene oxide in a strong acid; the salts are reacted with a polyisocyanate and chain-extended with an active-H compound to give a stable latex. Alternatively a polyurethane containing tertiary moieties can react with molar excess of alkylene oxide in strong acid to give cationic polyurethane with pendant OH groups, which can be chain-extended. Thus, reaction of aqueous Me<sub>2</sub>NC<sub>2</sub>H<sub>5</sub>OH with 70% MeSO<sub>3</sub>H and then subsequent addition of alkylene oxide gave primarily bis(hydroxyethyl)dimethylammonium methanesulfonate (I). Reaction of I, polypropylene glycol (mol. weight 1000), trimethylolpropane, and Desmodur W in N-methyl-2-pyrrolidinone in presence of usual additives at 90-100° gave a prepolymer with NCO content 2.95%, which was chain-extended by adding to H<sub>2</sub>O to give a semicolloidal dispersion.

L33 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1986:554824 CAPLUS  
DOCUMENT NUMBER: 105:154824  
TITLE: Sheet structures  
INVENTOR(S): Schaefer, Walter; Hajek, Manfred; Mueller, Hanns  
Peter; Dhein, Rolf; Kuechenmeister, Rolf; Sickert,  
Armin  
PATENT ASSIGNEE(S): Bayer A.-G. , Fed. Rep. Ger.  
SOURCE: Ger. Offen., 23 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

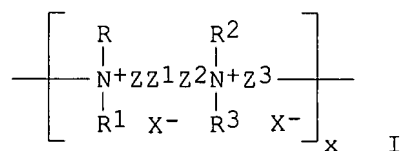
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3441934	A1	19860528	DE 1984-3441934	19841116
EP 185184	A1	19860625	EP 1985-114110	19851106
EP 185184	B1	19880831		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
AT 36865	T	19880915	AT 1985-114110	19851106
US 4619966	A	19861028	US 1985-795965	19851107
CA 1261993	A1	19890926	CA 1985-494805	19851107
JP 61120675	A	19860607	JP 1985-255210	19851115
PRIORITY APPLN. INFO.:				
			DE 1984-3441934	A 19841116
			EP 1985-114110	A 19851106

AB Water- and solvent-resistant coatings for heat-resistant substrates contain anionic polyisocyanate adducts with the structure -NHCONCN-, formed from polyisocyanates, cyanamide salts, and NH<sub>3</sub> or volatile amines. Thus, stirring 169.6 g polyester (mol. weight 1700, from adipic acid and 11:6 1,6-hexanediol-neopentyl glycol) with 350 g tris(isocyanatohexyl)biuret at 120° for 3 h gave a composition containing 13.2% NCO. Adding 450 g this product to 58.6 g cyanamide and 141 g triethylamine in 150 mL EtOAc at ≤25°, stirring 15 min, removing EtOAc, and adding 650 mL H<sub>2</sub>O gave a 50% solution with viscosity 260 mPa-s at 22°. Baking this solution on glass at 100-140° for 15 min gave a glossy, transparent film resisting boiling water, acetone, and rubbing with DMF.

L33 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1979:475673 CAPLUS  
DOCUMENT NUMBER: 91:75673  
TITLE: Water-dispersible ionic polyurethane binder for nonwoven fabrics  
INVENTOR(S): Taft, Arnold J.  
PATENT ASSIGNEE(S): Personal Products Co., USA  
SOURCE: Can., 43 pp.  
CODEN: CAXXA4  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CA 1053993	A1	19790508	CA 1975-236680	19750930
US 4002171	A	19770111	US 1975-558989	19750317
PRIORITY APPLN. INFO.: GI			US 1975-558989	A 19750317



AB Binders for nonwoven rayon webs which do not disintegrate in contact with biol. fluids, have good strength properties, and are dispersible in H<sub>2</sub>O to facilitate disposal by flushing comprise a cationic polyurethane with a repeating unit I where R, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> = C<sub>1</sub>-4 alkyl; Z, Z<sub>2</sub> = (CH<sub>2</sub>)<sub>n</sub>, n = 1-4; Z<sub>1</sub> = a linking condensation residue of a polyisocyanate with a polyol containing ≥4 urethane linkages; Z<sub>2</sub> = (CH<sub>2</sub>)<sub>m</sub>, m = 2-4; X = Cl, Br with the equivalent weight of I divided by the number of

N<sup>+</sup> in I being 500-2000. A typical ionene polyurethane [70987-56-3] was prepared by condensing polypropylene glycol (mol. weight 2025) 1, 2,4-TDI 2.0-2.1, and 2-(dimethylamino)ethanol 2 mol and quaternizing with 2 mol trans-1,4-dichloro-2-butene.

L33 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1977:107969 CAPLUS  
DOCUMENT NUMBER: 86:107969  
TITLE: Water-dispersible ionic polyurethane binder for nonwoven fabrics  
INVENTOR(S): Taft, Arnold J.  
PATENT ASSIGNEE(S): Personal Products Co., USA  
SOURCE: U.S., 11 pp.  
CODEN: USXXAM

DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4002171	A	19770111	US 1975-558989	19750317
CA 1053993	A1	19790508	CA 1975-236680	19750930
DE 2610792	A1	19761007	DE 1976-2610792	19760315
PRIORITY APPLN. INFO.:			US 1975-558989	A 19750317

AB Absorbent products containing water-dispersible cationic polyurethane binders exhibit adequate tensile strength and retain their structural integrity when in contact with salt solns. such as body fluids yet are readily dispersible in water or aqueous solns. of relatively low ionic strength so the products may be flushed away after use. Thus, a diisocyanate-terminated poly(1,4-oxybutylene) [25190-06-1] with number average mol. weight 1330 was treated with 2-dimethylaminoethanol [108-01-0] for 1.5 h at 60-70°. Then trans-1,4-dichloro-2-butene [110-57-6] was added followed by 4,4'-methylenebis(2-chloro-aniline and the reaction mixture was heated 18 h at 50-60°. The quaternized polyurethane binder was used to prepare a nonwoven rayon cover for sanitary napkins which were resistant to body fluids but dispersible in water.

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